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RESUME OF JOHN PATRICK POWERS

John P. Powers was born in Winchester, Massachusetts, in 1943. He received the Bachelor of Science degree (summa cum laude) in electrical engineering from Tufts University, Medford, Massachusetts, in June 1965. He then attended Stanford University as a National Science Foundation Trainee and received the Master of Science degree in June 1966.



In September 1970 he received the degree of Doctor of Philosophy from the University of California at Santa Barbara. As a research assistant, supervised by Professor Glen Wade, he did his work in the field of acoustic imaging by Bragg diffraction of laser light.

In August 1970 he joined the faculty of the Naval Postgraduate School, Monterey, California, where he is teaching in the Department of Electrical Engineering. His current research interests are in acoustical imaging and holography.

He is a member of Tau Beta Pi, Eta Kappa Nu, the Institute of Electrical and Electronic Engineers, Inc., the Acoustical Society of America, and the Optical Society of America.

PUBLICATIONS OF J. P. POWERS

OPEN LITERATURE

Books; published papers, notes, letters.

1. Computed Reconstructions from Phase-only and Amplitude-only Holograms (Chapter 13) IP
with J. Landry and G. Wade
In A.F. Metherell and L. Larmore, Eds.:
Acoustical Holography, vol. 2 (Proceedings
of Second International Symposium on Acoustical
Holography) p. 185-202. Plenum Press, New York, 1970
2. Image Distortion in Reconstructions from Phase-only Holograms IP
with G. Wade and J. Landry
IEEE Ultrasonics Symposium, New York, September,
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Acustica 23(1): 10-15 (1970)
3. Ultrasonic Imaging of Internal Structure by Bragg Diffraction P
with J. Landry and G. Wade
Appl. Phys. Letters, 15, 186-188 (1969)
4. Developments in Real-time Ultrasonic Imaging by Bragg Diffraction IP
with G. Wade and J. Landry
Proceedings of the Joint Conference on Industrial
Ultrasonics, IERE Conference Proceeding #16,
Institution of Electronic and Radio Engineers,
London, 269-278 (1969)
5. Experimental Detection of Evanescent Ultrasonic Waves by Bragg Diffraction of Light P
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J. Acoust. Soc. Am., 45, 1247-1250 (1969)
6. Studies of Resolution in a Bragg Imaging System P
with R. A. Smith and others
J. Acoust. Soc. Am., 45(3), 1062-1068 (1971)
7. Phase Aberrations in Bragg Imaging (Chapter 5, vol. 3) P
with R. A. Smith and G. Wade
In A. F. Metherell, ed: Acoustical Holography;
Proceedings of the Third International Symposium
on Acoustical Holography.
Plenum Press, N. Y. (1971)

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8. Use of Bragg Diffraction Imaging for Acoustic Velocity Measurements P
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J. Acoust. Soc. Am., 51, 1593-1597 (1972)
9. Spatial Filtering Considerations in Bragg Diffraction Imaging P
Acoustical Holography, 4, 522-567 (1972)
10. Large Area Ultrasonic Fields for Ultrasonic Imaging P
with C. Griggs
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